

## SUMMARY TABLE

CAS No. 6683-19-8	DATE	RESULTS	FULFILLS REQUIREMENT
<b>PHYSICAL/CHEMICAL ELEMENTS</b>			
Melting Point	2000	349.8 °C	Yes
Boiling Point	2000	1130.4 °C	Yes
Vapor Pressure	2000	$1.2 \times 10^{-33}$ mm Hg	Yes
Partition Coefficient	1985	$\log P = 23$	Yes
Water Solubility	1985	$< 10^{-4}$ g/L	Yes
<b>ENVIRONMENTAL FATE ELEMENTS</b>			
Photodegradation	2000	For reaction with hydroxyl radical, predicted rate constant = $106.3 \times 10^{12}$ cm <sup>3</sup> /molecule-sec predicted half-life = 1.2 h	Yes
Stability in Water	2000	$t_{1/2}$ at pH 8 = 75.4 days $t_{1/2}$ at pH 7 = 2.1 years	Yes
Fugacity	2000	Predicted distribution using Level III fugacity model Air 0.00195% Water 1.06% Soil 43.2% Sediment 55.7%	Yes
Biodegradation	1985	Not biodegradable 4 – 5% after 28 days	Yes
<b>ECOTOXICITY ELEMENTS</b>			
Acute Toxicity to Fish	1985	Zebra fish (Brachydanio rerio): $LC_{50}$ (24 – 96 h) => 100 mg/L NOEC = 100 mg/L	Yes
Toxicity to Aquatic Plants	1992	Green algae (Scenedesmus subspicatus): $EC_{50}$ (0 – 72 h) => 100 mg/L NOEC <sub>b</sub> = 100 mg/L	Yes
Acute Toxicity to Aquatic Invertebrates	1985	Daphnia magna: $EC_0$ (24 h) = 31 mg/L $EC_{50}$ (24 h) => 86 mg/L $EC_{100}$ (24 h) => 86 mg/L	Yes

**SUMMARY TABLE (CONTINUED)**

<b>CAS No. 6683-19-8</b>	<b>DATE</b>	<b>RESULTS</b>	<b>FULFILLS REQUIREMENT</b>
<b>HEALTH ELEMENTS</b>			
Acute Toxicity	1968-1974	Rat: LD <sub>50</sub> (Oral) > 12,250 mg/kg	Yes
	1980	Rat: LC <sub>50</sub> (Inhalation, 4 h) > 1951 mg/m <sup>3</sup>	Yes
	1964	Rabbit: LD <sub>50</sub> (Dermal) > 3160 mg/kg	Yes
Genetic Toxicity in vivo	1975	Mouse: No evidence of dominant lethal effects (single gavage dose of 1000 or 3000 mg/kg). No effect on mating ratio, implantations, or embryonic death	Yes
	1977	Chinese hamster: Nonmutagenic in somatic mutation assay (exposed by gavage 500, 1000, or 2000 mg/kg/day for 2 days)	Yes
	1978	Chinese hamster: No evidence of chromosomal aberrations (exposed by gavage 500, 1000, or 2000 mg/kg for 2 days)	Yes
Genetic Toxicity in vitro	1977	Salmonella typhimurium: No increase in mutations with or without metabolic activation (at doses of 10 – 250 µg/0.1 mL)	Yes
Repeated Dose Toxicity	1981	Dog: NOEL = 10000 ppm (13-week exposure, diet)	Yes
Reproductive Toxicity	1984	Rat: NOEL parental = 10000 ppm NOEL F1 offspring = 10000 ppm NOEL F2 offspring = 10000 ppm	Yes
Developmental Toxicity/Teratogenicity	1975	Rat: NOEL maternal toxicity = 1000 mg/kg NOEL teratogenicity = 1000 mg/kg	Yes
	1975	Mouse: NOEL maternal toxicity = 1000 mg/kg NOEL teratogenicity = 1000 mg/kg	Yes